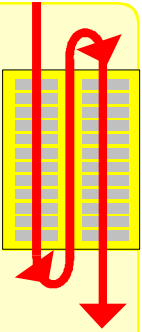
Instructions



Scrolling through a two-column document on-screen from the bottom of one column to the top of the next, and so on, can get very tedious. Fortunately, “column threading” is automatic with this software. Here are the basic tools and techniques that you need to know to efficiently navigate through the columns in this document …

1. Click on the hand tool in the button bar. 

2. Whenever the hand cursor is positioned over a column, the cursor changes to the “read article cursor”,  and “Read Article” appears in the status bar to indicate that this text is part of an “article”. *An article is a collection of columns selected by the editor that comprise one subject, like one of the articles on the front page of a newspaper. Each first-level section (1.1, 1.2, 1.3…) of the NTIA Manual has been defined as a separate article.*
   Click any part of the article to start reading at that point, or control-click to start at the beginning of the article. The cursor now changes to the follow-article cursor, and “Follow Article” appears in the status bar.

3. To page down, simply click the mouse, or use the scrollbar, or press the PageDown key. *You can keep track of where you are on the page if you're using the thumbnails-and-page view. In this view a selection rectangle moves over a thumbnail of the page as you scroll through the columns in the page view window.*

4. You can continue to click until you reach the end of the article. At the end of the article, the cursor changes to the end-article cursor, and "End Article" appears in the status bar. Click again to return to the page view displayed before you started reading the article. Click the fit page button.

5. If you want to exit before the end of the article…
   - select any navigation method (but not Enter or Return)
   - Go to another article or page
   - Hold down Shift + Ctrl and click.

6. You can also select which article (NTIA Manual Section) to view by choosing “Articles…” from the View menu, and then selecting the article you want from the dialog box that appears. *You can keep* this dialog box displayed so you can go from one article to another, or better yet, use the bookmarks method described in #7 below.

7. The best way to select which article (NTIA Manual Section) to view is to switch to the “Bookmarks-and-Page” view, click on the section name bookmark, click with the hand cursor on the page, then navigate with the hand tool as described in #1-5 above. Links to all of the sections are provided — as well as links to tables, figures, endnotes, and even these instructions.

8. To select text within a column, click the text selection tool, hold down the Control key, and drag to select the text you want to copy.

ANNEX A

Record Notes

Coordination Notes

C002--Subject to coordination with the Western Area Frequency Coordinator located at the Navy [illegible] Missile Test Center, Pt. Mugu, Cal., prior to use within a 322 kilometer radius of Pt. Mugu or in California south of Latitude 37º30' North.

C003--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Western Area Frequency Coordinator (WAFC) who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the WAFC as necessary to ensure compatibility with existing uses.

C004--Subject to coordination with the Eastern Area Frequency Coordinator located at Patrick AFB, Florida, prior to use within the area bounded by 24ºN31º30'N and 77ºW 83ºW.

C005--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Eastern Area Frequency Coordinator, Patrick AFB, Florida, who also coordinated it, as appropriate, with Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the Eastern AFC, Patrick AFB, Florida, as necessary to ensure compatibility with existing uses.

C006--Subject to coordination with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U.S. territory within a 240 kilometer radius of WSMR plus the area of Utah and Colorado that lies south of 41º North and between 108º and 111º West. Phone: 505-678-5417 or 3702, Autovon: 258-5417 or 3702.

C007--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, WSMR, New Mexico, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, WSMR, New Mexico, as necessary to ensure compatibility with the existing uses.

C008--Subject to Coordination with the Area Frequency Coordinator located at the Army Electronic Proving Ground, Ft. Huachuca, Arizona, prior to use within the State of Arizona. Phone: 602-538-6423, Autovon: 879-6423.

C009--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Ft. Huachuca, Arizona, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, Ft. Huachuca, as necessary to ensure compatibility with existing uses.

C010--Subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use within the area bounded by 27ºN 33º30'N and 83ºW 90ºW.

C011--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Gulf Area Frequency Coordinator, Eglin AFB, Florida, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the Gulf AFC, Eglin AFB, Florida, as necessary to ensure compatibility with existing uses.

C012--Subject to prior coordination with the Joint Frequency Management Office located at the Commander in Chief Pacific Headquarters, Camp H. M. Smith, Hawaii 96861.

C013--Subject to local coordination with Frequency Manager, AFFTC, Edwards AFB, California.

C015--Subject to prior coordination with Frequency Manager, Air Force Space and Missile Technical

Center, Vandenberg AFB, California.

C016--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the HQ USAF Frequency Coordinator, Arlington, VA., who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the HQ USAF Frequency Coordinator, Arlington, VA., as necessary to ensure compatibility with existing uses.

C019--Subject to prior coordination with Army Frequency Management Office (AFMO) - CONUS, ATTN: SFIS-FAC-SC, Ft. Sam Houston, Texas 78234-5000. Phone: 210-221-2820/2050; DSN: 471-2820/2050.

C022--Subject to prior coordination with Frequency Manager, Army Missile Command, Huntsville, Alabama.

C024--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, Texas, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, Texas, as necessary to ensure compatibility with existing uses.

C026--Subject to prior coordination with DOE Frequency Coordinator for Albuquerque Operations Office. Phone 575-3458, FTS, or (702) 295-3458, Commercial, or 575-3343, FTS, (702) 295-3343, Commercial (weekends, holidays, and off-duty hours).

C027--Subject to prior coordination with DOE Area Frequency Coordinator, Las Vegas, Nevada, when used within the State of Nevada or within a 160 kilometer radius of Mercury or Tonopah, Nevada. Phone 575-3458 or 1162 FTS, 702-295-3458 or 1162 Commercial, and 575-3343 FTS or, 702-295-3343 Commercial (weekends, holidays, and off-duty hours).

C028--Subject to prior coordination with DOE Frequency Coordinator for Albuquerque Operations Office when used in a 160 kilometer radius of Albuquerque, New Mexico. Phone 757-3458, FTS, or (702) 295-3458, Commercial, and 575-3343, FTS, (702) 295-3343, Commercial (weekends, holidays, and off-duty hours).

C030--The Department of Commerce is designated as control for Government use of this frequency. Use under this assignment is subject to initial coordination with, and subsequent coordination as indicated by, Radio Frequency Coordinator S.I.G. Research Facilities Center, NOAA, Department of Commerce, P. O. Box 520197, Miami, Florida 33152. Phone 305-526-2936 (FTS 350-2936).

C031--Subject to prior coordination with FAA Eastern Regional Office, JFK International Airport, New York 11430, Attn: Frequency Management Office. Phone 718-712-8343.

C032--Subject to prior coordination with FAA Southern Regional Office, P. O. Box 20636, Atlanta, Georgia 30344, Attn: Frequency Management Office. Phone 404-763-7385/6.

C033--Subject to prior coordination with FAA Central Regional Office, 601 East 12th Street, Kansas City, Missouri 64106, Attn: Frequency Management Office. Phone 816-426-5647.

C034--Subject to prior coordination with FAA Southwest Regional Office, 4400 Blue Mound, Fort Worth, Texas 76193-0483, Attn: Frequency Management Office. Phone 817-740-3237.

C035--Subject to prior coordination with FAA Western Regional Office, P.O. Box 92007, Worldway Center, Los Angeles, California 90009, Attn: Frequency Management Office. Phone 310-297-1872.

C036--Subject to prior coordination with FAA Alaskan Regional Office, 222 West 7th Ave., Anchorage, Alaska 99513. Phone 907-243-7246 or 4399.

C037--Subject to prior coordination with FAA Western Pacific Regional Office, Honolulu ARTCC, P.O. Box 50109, Honolulu, Hawaii 96850-4983 Attn: Frequency Management Office. Phone 808-541-1241.

C038--Subject to prior coordination with FAA New England Regional Office, 12 New England Executive Park, Burlington, Massachusetts 01803. Phone 617-273-7177.

C039--Subject to prior coordination with FAA Great Lakes Regional Office, 2300 East Devon Avenue, Des Plaines, Illinois 60018. Phone 312-694-7071.

C041--Subject to prior coordination with FAA Northwest Regional Office, 1601 Lind Avenue, S.W., Renton, Washington 98055-4056. Phone 206-227-2464.

C042--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-

9200 MHz was coordinated prior to authorization with the FAA Northwest Coordinator, Seattle, Washington. Use of this frequency or band under the authority of this assignment is subject to such further coordination with the FAA Northwest Coordinator, Seattle, Washington, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Northwest regional coordination has been accomplished.

C043--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Western Coordinator, Los Angeles, California. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA Western Coordinator, Los Angeles, California, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Western regional coordination has been accomplished.

C045--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Central Coordinator, Kansas City, Missouri. Use of this frequency or band under the authority of this assignment is subject to such further coordination with the FAA Central Coordinator, Kansas City, Missouri, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Central regional coordination has been accomplished.

C046--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Southwest Coordinator, Ft. Worth, Texas. Use of this frequency or band under the authority of this assignment is subject to such further coordination with the FAA Southwest Coordinator, Ft. Worth, Texas, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Southwest regional coordination has been accomplished.

C047--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Great Lakes Coordinator, Des Plaines, Illinois. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA Great Lakes Coordinator, Des Plaines, Illinois, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Great Lakes regional coordination has been accomplished.

C048--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Southern Coordinator, Atlanta, Georgia. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA Southern Coordinator, Atlanta, Georgia, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Southern regional coordination has been accomplished.

C049--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, New York. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, New York, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Eastern regional coordination has been accomplished.

C050--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA New England Coordinator, Burlington, Massachusetts. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA New England Coordinator, Burlington, Massachusetts, as necessary to

ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA New England regional coordination has been accomplished.

C052--Subject to local coordination with FCC Engineer-in-Charge to avoid interference to non-Government services.

C057--Subject to prior coordination with NASA Spectrum Manager, Johnson Space Center, Houston, Texas. Telephone: (FTS) 525-0122 or (commercial) 713-483-0122.

C060--Prior to operational use, this frequency assignment must be coordinated with and concurred by the commander of the military installation listed.

C061--Operational use of this frequency assignment has been coordinated with and concurred by the commander of the military installation listed.

C062--DOE use of this frequency for telemetering is subject to prior coordination at the national level with agencies having assignments in the same band and will be subject, at the time of such coordination, to adjustment to preclude harmful interference.

C064--All transmissions to NASA's ATS-1 through 5 Satellites shall be coordinated and scheduled with the ATS Project Manager or the ATS Experiments Manager, ATS 1/5, Lewis Research Center, Cleveland, Ohio 44135. Telephone: (216) 433-3483 or 433-3570.

C065--Subject to coordination, prior to use, with the Department of the Interior, Bureau of Land Management, National Interagency Fire Center, Boise, Idaho. Telephone: (208) 387-5644.

C067--Subject to coordination with the Area Frequency Coordinator located at Nellis AFB, Nevada, prior to use in the states of Nevada, Utah west of 111°W and Idaho south of 44°N.

C068--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Nellis AFB, Nevada, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.

C069--Subject to coordination and scheduling with Mr. Carl Staton; National Environmental Satellite, Data, and Information Service; U.S. Department of Commerce; Chief, Data Collection and Direct Broadcast Branch (E/SP21); Washington, D.C. 20233; telephone (301) 763-8326.

C071--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Alaskan Coordinator, Anchorage, Alaska. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA Alaskan Coordinator, Anchorage, Alaska, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Alaskan regional coordination has been accomplished.

C072--This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Pacific Coordinator, Honolulu, Hawaii. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA Pacific Coordinator, Honolulu, Hawaii, as necessary to ensure compatibility with existing uses. This Note applied to an Aeronautical Assignment Group (AAG) frequency (see Section 1.4.1 of the NTIA Manual) indicates FAA Pacific regional coordination has been accomplished.

C073--Subject to prior coordination with NASA Spectrum Manager, Wallops Flight Center, Wallops Island, Virginia. Telephone: (FTS) 8-889-1278 or commercial 804-824-1278.

C074--Operational activities should be coordinated with NASA Spectrum Manager responsible for JPL/Goldstone Programs. Mail: 4800 Oak Grove Drive, Mail Stop 303-404, Pasadena, CA 91109. Telephone: (FTS) 8-792-0068 or (commercial) 818-354-0068.

C075--This assignment has been coordinated with the Hydrology Committee in accordance with Section 8.3.6.

C076--This assignment has been coordinated with the Radio Spectrum Manager, National Science Foundation, 1800 G St., N.W., Washington, D.C. 20550. Telephone: (202) 357-9696 in accordance with Section 8.3.7, for the band 1660-1670 MHz, or Section 8.3.19.

C078--The domestic fixed aspects of this assignment have been coordinated with NTIA in accordance with Section 8.2.11 of the NTIA manual.

C079--Subject to prior coordination with DOE Frequency Coordinator, Bonneville Power Administration, Portland, Bonneville Power Administration, Portland, Oregon, phone 503-234-3361, ext. 4368, when used within the states of Washington, Oregon, Idaho or Montana West of 112W.

C080--Subject to prior coordination with the Department of the Interior, U.S. Geological Survey, Earthquakes Hazards Team, Seismology Section, Menlo Park, CA, Communications Coordinator, (415) 329-4780 or 4727, and subject to adjustment in the event of interference to Interior operations within the same splinter channel (Section 4.3.7).

C081--This assignment is for a station in the National Radio Quiet Zone. Successful coordination has been effected in accordance with Section 8.3.9 of the NTIA Manual.

C085--Subject to prior coordination with Army Frequency Coordinator, Military District of Washington, ATTN: ASNK-OPB, Fort Lesley J. McNair, Washington, D.C. 20319-5050. Phone 202-475-2554 or 2486, Autovon 335-2554 or 2486. **C086**--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator, Patuxent River, Maryland, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.

C088--Prior to use, this frequency assignment must be scheduled with the Post Frequency Manager, Aberdeen Proving Ground, MD. Telephone: 410-278-7591; DSN 298-7591.

C089--This frequency assignment was coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, D.C. 20591. Phone: 202-267-8699.

C090--In the band 162 to 174 MHz, subject to coordination with adjacent channel users (bandwidth >11 kHz) prior to establishing a station on an interstitial channel under S322 procedures. This note is automatically deleted on January 1, 2005.

C091--This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated with the following Area Frequency Coordinators: Western Area Frequency Coordinator, Point Mugu, California; Eastern Area Frequency Coordinator, Patrick AFB, Florida; Area Frequency Coordinator, White Sands Missile Range, New Mexico; Area Frequency Coordinator, Fort Huachuca, Arizona; Gulf Area Frequency Coordinator, Eglin AFB, Florida; HQ USAF Frequency Coordinator, Washington DC; Army Frequency Coordinator, Fort Sam Houston, Texas; Area Frequency Coordinator, Nellis AFB, Nevada; Mid-Atlantic Area Frequency Coordinator, Patuxent River, Maryland. This assignment was also coordinated with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the appropriate AFC as necessary to ensure compatibility with existing uses.

Emission Notes

E013--A3 emission authorized for secondary and intermittent operation.

E023--F3 emission authorized for maintenance and test communications only.

E028--Lower sideband transmission. The carrier is higher than the assigned frequency shown by one half of the indicated bandwidth.[1]

E029--Upper sideband transmission. The carrier is lower than the assigned frequency shown by one half of the indicated bandwidth.[1]

E030--Lower sideband greater. The suppressed carrier is higher than the assigned frequency shown by 1.5 kHz.[2]

E031--Upper sideband greater. The suppressed carrier is lower than the assigned frequency shown by 1.5 kHz.[2]

E032--Lower sideband greater. The suppressed carrier is higher than the assigned frequency shown by .5 kHz.[2]

E033--Upper sideband greater. The suppressed carrier is lower than the assigned frequency shown by .5 kHz.[2]

E035--Lower sideband transmission.[1]

E036--Upper sideband transmission.[1]

E037--Full-carrier SSB emission (3KH3E) shall be used except (1) when it is known that the receiving

station is capable of receiving suppressed-carrier emission (3KJ3E) and (2) upon request of any station using the same carrier frequency (Ref: FCC 87.67b).

E038--When a single sideband emission is used from the various emissions shown on this HF assignment, the carrier frequency will be set to place the center of intelligence at the assigned frequency.

E039--The authorized emission bandwidth shall be so located within the band that it does not extend beyond the upper or lower limits of the authorized band shown in the *FRB entry of circuit remarks. If a portion(s) of the authorized band is to be excluded (*FBE) the authorized emission bandwidth must not extend into any portion(s) of the excluded band(s).

Limitation Notes

L2--Restricted to (daytime, nighttime, or indicated hours of operation.) Wherever used herein the term daytime means from two hours after local sunrise until two hours before local sunset. The term nighttime only means from two hours prior to local sunset until two hours after local sunrise at (a) specified point(s). Local time at transmitter is applicable unless otherwise specified.

L3--For communication with _____ stations only.

L012--To be used only in an emergency jeopardizing life, public safety, or important property under conditions calling for immediate communication where other means of communication do not exist or are temporarily disrupted or inadequate. To insure that radio equipment for emergency use is maintained in satisfactory operating condition, testing on such frequencies is permitted, provided that insofar as practicable, transmitters shall be tested with a non-radiating load and the test use of a radiating antenna held to a minimum and provided further that such testing shall be restricted to test message traffic and shall not include operator training.

L109--Restricted to non-air carrier operations normally unavailable to military aircraft.

L113--L012 FX

L116--L2 daytime

L121--L2 daytime Hawaii and westward

L125--L2 local sunrise to local sunset

L127--L2 local sunset to local sunrise

L131--L2 nighttime

L168--L3 GCA or approach control

L171--L3 Agriculture

L174--L3 Army

L177--L3 Federal Aviation Administration

L180--L3 Coast Guard

L182--L3 Interior

L187--L3 Military

L188--L3 Military aircraft or aircraft authorized for military use

L190--L3 Navy

L192--L3 non-Government

L193--L3 non-Government aircraft

L195--L3 non-Government coast stations

L197--L3 non-Government public correspondence

L199--L3 non-Government ships

L201--L3 public correspondence

L203--L3 U.S. Army Engineers

L207--L3 civil aircraft

L242--L2 1300-2300 GMT

L255--L2 0200-0730 GMT

L256--L2 0200-0800 GMT and 1800-2300 GMT

L257--L2 0600-2100 GMT

L278--L2 0200-1100 GMT

L282--This assignment is for “back-up” use only when regular channels are either temporarily disrupted or inadequate.

L283--Limited to communications in or near a port, or in locks or waterways, between coast stations and ship stations, or between ship stations, in which messages are restricted to those related to the operational handling, the movement and the safety of ships, and, in emergency, to the safety of persons. Messages which are of a public correspondence nature shall be excluded.

L294--L2 1400-2200 GMT

L298--Limited to communications with CAP radio stations when engaged in training or on an actual CAP mission in support of USAF.

L304--L2 1500-0800 GMT April through September; 1800-0500 GMT October through March

L308--L3 Commerce

L309--L012 FB

L318--Authority under this assignment is limited to temporary periods and locations for telemetry of seismic data.

L330--This assignment is limited to communications with non-Government ships for the exchange of traffic

dealing with safety of life or property when other means of communication are not practicable.

L331--L2 0900-1300 and 1400-1600 GMT

L332--L2 2200-0300 GMT

L334--L2 0330-1830 GMT

L336--L2 1000-1700 GMT

L339--L2 1200-0300 GMT

L341--Limited to operations conducted in accordance with Bridge-to-Bridge portion of Section 8.2.29 of the NTIA Manual

L343--L3 Tennessee Valley Authority

L347--L2 2330-2230 GMT

L350--Limited to use from November 15 to April 1.

L351--L2 2000-1000 GMT

L353--L2 0100-0600 Local

L355--Limited to ground transmissions only.

L356--Mobile transmissions allowed only in accordance with Section 7.5.5 of the NTIA Manual.

L357--This band assignment is authorized only for air/ground frequency assignment in the AAG/MAG bands (118-137 MHz and those frequencies utilized by the FAA for air traffic control in the 225-328.6 and 335.4-400 MHz band) and is for "back-up" use only when regular channels are either temporarily disrupted or inadequate. Actual frequencies will be listed in Agency Remarks.

L358--L2 1300-2200 GMT

"M"--Notes

Do NOT enter "M" Notes in the NTS field. "M" Notes are to be entered on an *NTS line in the CIRCUIT REMARKS field (see Section 9.8.2, paragraph 39k).

M001--A note concerning this assignment is recorded in the minutes of the FAS meeting at which the application was approved. The source of the note is identified in the CIRCUIT REMARKS field (-*NTS).

M002--This assignment was coordinated with IRAC or NTIA, and/or is subject to the conditions stated in the letter, the IRAC Document, the FAS Docket, or the FCC Regulation referenced in the CIRCUIT REMARKS field (*NTS).

M003--Subject to coordination prior to activation and, as appropriate, possible scheduling with the activity(ies) or station(s) listed in the CIRCUIT REMARKS field (*NTS).

M004--Subject to coordination prior to activation and, as appropriate, possible scheduling with the activity(ies) listed in the CIRCUIT REMARKS field (*NTS) when used within interference range of such activity(ies) or station(s).

M006--Subject to coordination prior to activation with the National Weather Service Meteorologist-In--Charge at the location(s) listed in the CIRCUIT REMARKS field (*NTS).

M007--Subject to notification of activation to the agency or activity listed in the CIRCUIT REMARKS field (*NTS).

M008--Operations under the authority of this assignment are subject to immediate adjustment, including cessation, if they result in harmful interference to the operations listed in the CIRCUIT REMARKS field (*NTS).

M009--Operations under the authority of this assignment a) are on a noninterference basis to the operations of the agency listed in the CIRCUIT REMARKS field (*NTS) on the same or adjacent channel and b) no protection can be afforded by that agency.

M010--This assignment was agreed to on a nonrenewable basis by the agency identified in the CIRCUIT REMARKS field (*NTS).

M011--Limited to the non-broadcast hours of and subject to coordination prior to activation with the station(s) listed in the CIRCUIT REMARKS field (*NTS).

M013--Subject to prior coordination with and concurrence by the organization/official listed in the CIRCUIT REMARKS field (*NTS) and to temporary cessation when required for marine environmental operations.

M014--During transmission, aircraft shall not exceed the altitude listed in the CIRCUIT REMARKS field (*NTS).

M015--The system using this assignment was reviewed by the SPS in accordance with Chapter 10 and the assignment is being made subject to conditions stated in the IRAC and SPS documents referenced in the CIRCUIT REMARKS field (*NTS).

M016--This assignment, made pursuant to Resolution 8 of the GWARC-79, is for planning purposes and is not an authority to operate. Operations may commence after satisfactory replacement action has been completed for (FAS DKT number(s)--optional:

freq, agency serial number), and/or after (XXYY) (Date agreed to by displaced agency).

M017--This non-Government space station assignment is made with the understanding that protection cannot be guaranteed to reception of the non-Government earth station(s) identified in the CIRCUIT REMARKS field (*NTS) due to the operation of existing transmitting earth stations and/or Government fixed stations.

Priority Notes

P032--Noninterference basis

P074--Not to preclude expansion and adjustment of operations within the band 162.0 to 174.0 MHz by non-military Government agencies

P076--Not to preclude expansion and adjustment of operations within the band 406.1 to 420.0 MHz by non-military Government agencies.

Special Notes

S012--This operation does not include operator qualification training, but is a periodic operation of a communications system manned by fully qualified operators who are military reservists or affiliates. Except in emergencies, this frequency assignment will not be used as a means for passing traffic that in the absence of this authorization would require delivery by other means.

S015--Remote control

S017--This assignment is for the training of personnel in the technique and operational aspects of the electronic equipment.

S032--Common simplex channel for emergency and distress communications only. Available to all stations operating in or with aeronautical services.

S034--Disaster communications

S035--Distress, safety and calling

S038--FAC operation simultaneous with RLL

S041--For calibrating direction finders

S043--For emergency use at scene of air sea rescue

S047--For transmission of hydrologic and meteorological data

S048--For transmission of hydrologic data

S059--Radio direction finding

S063--Search and rescue communications

S067--Subject to Department to the Interior, Bureau of Indian Affairs net control

S068--Subject to immediate shutdown as needs of service may dictate

S070--Subject to immediate cancellation upon notice from FCC

S085--Training and testing operations

S120--Intermittent equipment tests

S139--Transmissions on this frequency will be discontinued upon receipt of notification to the effect that harmful interference is being caused to the international broadcasting service.

S141--This U.S. Government record is outside of the US&P and therefore does not fall within the jurisdiction of the NTIA and IRAC/FAS. This record is incorporated into the Government Master File for spectrum management, analysis and information purposes and does not constitute NTIA authority to transmit.

S142--Drone Control

S144--This assignment is not in complete conformity with the National Table of Frequency Allocations. Those operations that are conducted under the nonconforming portions of this assignment are on a secondary basis to operations conducted under assignments that are in conformity with the National Table of Frequency Allocations.

S145--This frequency is subject to adjustment upon notice from the Military.

S147--These frequencies are used for a very short time only during actual nuclear test or dry runs prior to actual test. Such use of frequencies will be on a secondary basis subject to the avoidance of harmful interference to all operations established in accordance with international allocations applicable to these frequencies and to all other operations regularly authorized within the United States and Possessions on specific frequencies within these bands.

S148--This is an assignment for domestic service use in providing instantaneous transmission of vital emergency, operational command and alerting traffic of such importance as to affect the immediate survival and defense of the Nation. Circuits utilizing this frequency will be maintained in an operational status at all times, with on-the-air test transmissions to insure the highest degree of readiness. This assignment requires protection commensurate with the importance of the communications for which the circuit is intended.

S149--Any use of this assignment that is not at a transient location or that is for a period exceeding 15 days shall be notified to the FAS.

S154--Scene of disaster frequency

S155--For interception and retransmission of television signals

S157--Non-Government service

S159--U. S. Government short-distance low-power service

S160--This assignment has been made pursuant to Part 7.12 of the NTIA Manual and has been coordinated in accordance with Section 8.3.3.

S164--This assignment is not in complete conformity with the National Table of Frequency Allocations. Nevertheless, in the national interest, it is on an equal basis with assignments that are in conformity with the National Table of Frequency Allocations.

S165--This assignment has been made pursuant to Section 7.5.2 of the NTIA Manual for communication with non-Government stations in the maritime mobile service.

S170--Authorized additionally in tactical and training operations when employing single sideband equipment with 3KH3E, 4KJ7B, 4KJ9W emissions for use with peak envelope powers not to exceed 2000 watts. In such operations the following additional conditions are applicable. All necessary emissions under the several modes of operation, including reduced carriers, shall be within ± 3 kHz of the listed frequency. If harmful interference is caused to authorized operations, the power of this operation will be reduced to the mean power shown for this listing. In the determination of particular listed frequencies and associated carrier frequencies to meet individual tactical needs, due consideration will be given, particularly when utilizing powers in excess of the powers normally authorized on this frequency, to the avoidance of harmful interference to radio services authorized on the same or adjacent frequencies. With respect to the conduct of peacetime training operations, such use of the frequency is on a non-interference basis to the authorized operations of other agencies.

S171--Authorized additionally in tactical and training operations when employing single sideband equipment with 3KH3E, 4KJ7B, 4KJ9W emissions for use with peak envelope powers not to exceed 400 watts. In such operations the following additional conditions are applicable. All necessary emissions under the several modes of operation, including reduced carriers, shall be within ± 3 kHz of the listed frequency. If harmful interference is caused to authorized operations, the power of this operation will be reduced to the mean power shown for this listing. In the determination of particular listed frequencies and associated carrier frequencies to meet individual tactical needs, due consideration will be given, particularly when utilizing powers in excess of the powers normally authorized on this frequency, to the avoidance of harmful interference to radio services authorized on the same or adjacent frequencies. With respect to the conduct of peacetime training operations, such use of the frequency is on a non-interference basis to the authorized operations of other agencies.

S179--Power shown is for emergencies only. Normal power is 4 kW or less.

S181--This assignment was authorized pursuant to Public Law 87-795.

S185--Secondary service. Maximum number of transmitters authorized: 10

S186--Power shown is for intermittent or emergency use. Normal power is 20 kW.

S187--Power shown is for emergency use. Normal power is 2.5 kW.

S189--Tactical and/or training operations

S195--Safety Communications.

S199--Navy operations authorized by assignments bearing this note shall not cause harmful interference to those non-Government operations existing at the time of authorization. The Navy agrees to make such adjustments of its group of high frequency coast telegraph assignments bearing this note as may be necessary to accommodate necessary expansion or adjustment of the non-Government coast telegraph service.

S200--JCS communication circuit

S205--Civil defense network

S206--This assignment is for an operation for which other telecommunication facilities do not exist, are inadequate, or are impracticable of installation, and for which the use of frequencies above 30 MHz is not practicable. This note applies to FX or AX station classes only.

S208--This assignment is for the domestic haul of

overseas traffic in transit or destined for the United States, for an operation where technical and operational requirements dictate such use. The domestic radio haul is a segment of the overall overseas radio system.

S211--50 kW mean power used during emergency or unusually poor propagation conditions. 10 kW mean power used during normal conditions. 2.5 kW mean power used during unusually good propagation conditions.

S219--Power shown is for emergency use. Normal power is 3 kW.

S227--Power shown is for emergency use. Normal power is 1.5 kW.

S233--This assignment is part of a frequency pool, and, with Department of State approval, it may be used by foreign embassies that are authorized the use of other frequency assignments under Public Law 87-795.

S242--The NASA Unified S-band system operates in the 2270-2290 MHz portion of the 2200-2290 MHz space telemetering band on a shared basis. This system will be utilized in space missions of extended duration. In certain geographical areas agencies conducting telemetering operations on the shared frequencies in the 2270-2290 MHz band may be requested by NASA to adjust such operations as necessary to support the space mission involved.

S264--This assignment will not be used except in the event that full-scale atmospheric nuclear testing is resumed, and it is further subject to prior coordination with CINCPAC.

S265--Transmissions shall be directed so as to avoid harmful interference to FAA stations in the Edwards AFB area.

S267--Required for use in emergency areas when required to make initial contact with RACES units. Also for communications with RACES stations on matters requiring coordination.

S279--This listing represents a use of a laser(s) for telecommunication purposes and it is entered in the Government Master File (GMF) for information.

S286--The Coast Guard agrees to make such adjustments in its coast telegraph operations as necessary to provide an accommodation for non-Government coast radiotelegraph operations anticipated by the designation of this frequency in Part 81, FCC Rules.

S288--This frequency assignment is to support the National Command Authority. Circuits utilizing this frequency will be maintained in operational status at all times.

S291--Operations are subject to compliance with FCC Rules and Regulations Part 87, subpart c. Advisory service shall be given to any private aircraft upon request. The use of this frequency shall not be a deterrent to the establishment of a non-Government advisory station in this area. Operations on this frequency shall cease upon the establishment of non-Government facilities or upon notice of harmful interference thereto.

S292--Not to be a bar to complete operational implementation of common system aids to Air Navigation.

S296--Not to preclude assignment of this frequency to other agencies at specific locations.

S298--Subject to Department of the Interior, U.S. Fish and Wildlife Service net control.

S299--Power shown is into a buried vertical dipole. ERP is approximately 1 kW.

S301--Operations under the authority of this assignment a) are not protected from harmful interference which may be caused by authorized stations operating in accordance with the National Table of Frequency Allocations and b) are subject to immediate adjustment, including cessation, if they result in harmful interference to authorized stations operating in accordance with that table.

S302--Subject to the understanding that equipment will not be developed for operational use in this band.

S303--Subject to the understanding that there is not intended operational use of this equipment within USP.

S321--This assignment is for planning purposes not to exceed 3 years (see Section 9.6.5). The Note will be deleted after the assignment has been activated or this assignment will be deleted after specific locations have been notified.

S322--Stations established under the authority of this assignment shall conform to its technical particulars and shall be notified, as specified in Section 9.1.3 of the NTIA Manual, for inclusion in the list of Frequency Assignment to Government Radio Stations.

S323--This assignment is for use in a system, or research and development looking toward such a system, for which funds have been committed for

Stage 1 (Planning [conceptual]), as defined in Section 10.3.1 of the NTIA Manual prior to January 1, 1973. Follow-on stages in the system life cycle are subject to the provisions of Part 10.3 of the NTIA Manual.

S324--This assignment is for use in a system, or research and development looking toward such a system, for which funds had been committed for Stage 2 (Experimentation), as defined in Section 10.3.1 of the NTIA Manual, prior to January 1, 1973. Follow-on stages in the system life cycle are subject to the provisions of Part 10.3 of the NTIA Manual.

S325--This assignment is for use in a system, or research and development looking toward such a system, for which funds had been committed for Stage 3 (Development), as defined in Section 10.3.1 of the NTIA Manual, prior to January 1, 1973. Follow-on stages in the system life cycle are subject to the provisions of Part 10.3 of the NTIA Manual.

S326--This assignment is for use in a system, or research and development looking toward such a system, for which funds had been committed for Stage 4 (Procurement), as defined in Section 10.3.1 of the NTIA Manual, prior to January 1, 1973.

S327--Marine environmental protection command/control/surveillance operations. Authorized additionally for other maritime mobile operations when not required for marine environmental purposes.

S328--This assignment is not planned for renewal. It has been replaced by another assignment.

S330--The equipment nomenclature or appropriate equipment coding is to be provided within six months after activation of the authorized station/s.

S334--Subject to Department of the Interior, Bureau of Land Management net control.

S335--This telemetry assignment is on a non-interference, nonprotected basis as concerns assignments in the aeronautical mobile service.

S337--This ITU Appendix 18 frequency for public correspondence from ships to coast stations is assigned to a remote Coast Guard lighthouse because it has no other means for entering the RCA ALSCOM System.

S340--To be used in support of DOE scientific missions with protected status for short periods of time during actual operations. Such use will require coordination between the DOD and DOE and will be on a scheduled basis.

S341--Subject to the continued applicability of note P074, this WSMR assignment is exempt from the requirement to be converted to a frequency listed in Section 4.3.7, NTIA Manual.

S343--Within the areas listed in footnote US117 in the National Table of Frequency Allocations, operations under the authority of this assignment, other than those of mobile stations, are subject to prior coordination with the Secretary of the Committee on Radio Frequencies of the National Academy of Sciences.

S344--This assignment has been granted a waiver and need not comply to the provisions of Section 8.2.20 of the NTIA Manual.

S345--DOE operations in the band 4400-4990 MHz under this authority will be for emergency deployment of the NEST system. For such use in a given area, DOE will select clear channels based upon current GMF records. If time permits, DOE will coordinate specific frequencies with the appropriate military frequency managers/coordinators in the field. Tests and training will not be conducted under this authority; frequency applications for such operations will be submitted to the FAS/IRAC on a case by case basis.

S346--This FAA assignment in the band 118- 136 MHz is for standby equipment and is used interchangeably with a co-channel assignment at a separate site.

S348--Operations are subject to compliance with FCC Rules and Regulations, Part 95, Subpart D. Transmitters may be operated only by employees of the Federal Government only for the purpose of interfacing with Non-Government licensees to coordinate essential and mutual activities. This authority may be revoked by the Federal Communications Commission in its discretion at any time.

S349--Not to preclude assignment of this fre-quency outside of normal land mobile interference range (excluding skip and sporadic E reflection etc.) of DOE receive stations.

S350--In the frequency band 30-400 MHz for this FAC operation, power shown is for primary equipment. Back-up equipment has been engineered and installed with output power up to 35 watts. Use of this back-up equipment is authorized during emergencies and/or failure of primary equipment.

S351--This assignment is planned for implementation or deletion as a consolidation of frequencies being

used.

S352--This assignment is for intermittent wide area requirements of transient, itinerant nature pursuant to Section 4.2.3 of the Manual.

S353--This assignment is for a common user frequency pursuant to Section 4.2.4 of the Manual.

S354--This planned assignment is for a Space Project that has been approved in principle by NTIA in the research/development phase. Some operational characteristics have not been determined. This listing does not provide authority to transmit.

S357--Power shown is for emergencies only. Normal power is 10 kw.

S358--This assignment is exempt from referral to NTIA by Exception 1 of the domestic fixed policy in Section 8.2.11 of the NTIA Manual.

S359--This assignment is exempt from referral to NTIA by Exception 2 of the domestic fixed policy in Section 8.2.11 of the NTIA Manual.

S360--This assignment is exempt from referral to NTIA by Exception 3 of the domestic fixed policy in Section 8.2.11 of the NTIA Manual.

S361--Multiple transmitting and/or receiving stations operating at FIXED locations are involved in this assignment; and, it is not feasible to indicate all specific locations. (The method of operation must be fully explained in supplementary details when S361 is applied to a frequency assignment.)

S362--One or more transportable transmitting and/or receiving stations are utilized in this assignment.

S366--Operations will be outside of the U.S./ Canada Border Zone or power used while operating in the Border Zone will not exceed 5 watts.

S367--This frequency assignment has been made on an exceptional basis for operation in the National Radio Quiet Zone on the conditions that use shall be minimized consistent with operational requirements and that any technical modification to this assignment shall be coordinated in accordance with NTIA Manual 8.3.9.

S368--Subject to Department of the Interior, Bureau of Reclamation net control.

S369--This assignment is in accordance with Section 8.2.44.

S370--Transportable Earth Station operations in the 7300-7750 MHz and 8025-8400 MHz bands shall be deployed in such a manner as not to cause harmful interference to existing assignments and will adjust to allow additional stations of other radio services in these bands as required.

S371--This assignment is in accordance with Chapter 10 and Part 7.14 of the NTIA Manual.

S372--This assignment for the San Francisco/Pt Reyes area is subject to adjustments to accommodate new systems/programs or reassignments resulting from the implementations of these systems/programs.

S373--This assignment, in the 2700-2900 MHz band, is for operation in a designated heavily used area or for collocated operation (see Annex D of the NTIA Manual). This equipment has the capability of implementing the additional Electromagnetic Compatibility (EMC) provisions of RSEC Criteria D under Section 5.3 of the NTIA Manual. Implementation of this capability may be necessary at a later date.

S375--Operations authorized by assignments bearing this note shall be subject to the GMF recording method being developed in accordance with IRAC Doc. 23200/1 (FAS ADM 830029/1).

S376--Operations on this frequency under direct-control of the USDA, Forest Service.

S378--In emergency situations a maximum power of 25 watts for ship stations and 10 watts for coast stations is authorized.

S379--This assignment shall expire upon conclusion of the OPERATION ALLIANCE mission.

S381--Operations under this assignment are for SHARES traffic in accordance with Section 7.3.5 of the NTIA Manual.

S382--This record is retained for spectrum management and analysis purposes and does not constitute an NTIA authority to transmit.

S383--This sounder assignment complies with Section 8.2.21 of the NTIA Manual. The frequency bands listed in paragraph 1.c. of Section 8.2.21 have been suppressed. The information required by paragraph 2 of Section 8.2.21 is provided in the supplementary details of this assignment.

S384--This assignment has been made pursuant to Part 4.3.2 of the NTIA Manual.

S385--This GMF listing identifies passive sensor or Radio Astronomy receiving stations for spectrum management and analysis purposes and does not constitute an NTIA authority to transmit. Interference protection to the receiving station is afforded only to the extent provided in the National Table of Frequen-

cy Allocations.

S386--Operations authorized by assignments bearing this note shall be restricted to direct support of the OPERATION ALLIANCE mission, and are subject to the management and control of the U.S. Customs Service.

S387--Upon implementation of narrowband operations this channel will be vacated.

S388--This assignment supports DSCS Operations Center earth stations limited to locations at Fort Detrick, and Fort Meade, Maryland, and Camp Roberts, California. This assignment shall not preclude new terrestrial assignments within or overlapping the frequency band 7250-7750 MHz provided each new terrestrial assignment does not exceed a maximum tolerable interfering power of -141.3 dBm in any 30 kHz bandwidth at the earth station receiver. In addition, this assignment has no priority over either future meteorological-satellite systems (See G104) or terrestrial assignments authorized prior to April 26, 1994.

S389--The bands 2390-2400, 2402-2417 and 4660-4685 MHz were identified for immediate reallocation, effective August 10, 1994, for exclusive non-Government use under Title VI of the Omnibus Budget Reconciliation Act of 1993. Effective August 10, 1994, any Government operations in these bands are on a non-interference basis to authorized non-Government operations and shall not hinder the implementation of any non-Government operations.

S390--This assignment for wideband telegraphy, facsimile and/or special transmission systems in the Maritime Mobile Service is being made in accordance with the NTIA Manual, Section 8.2.29, paragraph 5.c.(1) and ITU RR4323BI.

S391--This assignment is an expansion or enhancement of an existing system in the 138-150.8, 162-174, or 406.1-420 MHz band which utilizes a band-width greater than 11 kHz.

S392--The bands 2300-2310 and 2400-2402 MHz were identified for reallocation, effective August 10, 1995, for exclusive non-Government use under Title VI of the Omnibus Budget Reconciliation Act of 1993. Effective August 10, 1995, any Government operations in these bands are on a non-interference basis to authorized non-Government operations and shall not hinder the implementation of any non-Government operations.

S393--The band 2417-2450 MHz was identified for reallocation, effective August 10, 1995, for mixed Government and non-Government use under Title VI of the Omnibus Budget Reconciliation Act of 1993.

S394--Subject to Department of the Interior, National Park Service, net control.

S395 - The band 4635-4660 MHz was identified for reallocation, effective January 1, 1997, for exclusive non-Government use under Title VI of the Omnibus Budget Reconciliation Act of 1993. Effective January 1, 1997, any Government operations in these bands are on a non-interference basis to authorized non-Government operations and shall not hinder the implementation of any non-Government operations. However, government operation of mobile (including airborne) systems authorized as of March 22, 1995 within 80km of Pico Del Este, PR (18° 16' N, 65° 46' W), Dam Neck, VA (36° 46' N, 75° 57' W), and St. Thomas, VI (18° 21' N, 64° 55' W) will be permitted on a fully protected basis until January 1, 2009.

S514--This assignment supports NASA Space Program ATS-3.

S518--This assignment supports NASA Space Program ATS-1.

S544--This assignment supports NASA Deep Space Program PIONEER.

S545--This assignment supports NASA/Commerce Earth Exploration Service Space Program LANDSAT.

S553--This assignment shall expire upon completion of Space Project Defense Meteorological Satellite Program Block 5.

S558--This assignment shall expire upon completion of Space Project SAMSO 080-70.

S566--This assignment shall expire upon completion of Space Project Advanced Technology Satellite Global Positioning System.

S567--This assignment shall expire upon completion of Space Project Deep Space Program.

S569--This assignment shall expire upon completion of Space Project Transit Improvement Program (TIP).

S570--This assignment shall expire upon completion of Space Project FLEETSATCOM.

S571--This assignment shall expire upon completion of Space Project LES 8/9.

S572--This assignment shall expire upon completion of Space Project Air Force Satellite Data System.

S573--This assignment supports NASA Space

Program IUE.

S574--This assignment supports NASA Space Program ISEE.

S575--This assignment supports NASA Space Program TDRSS.

S576--This assignment supports NASA Space Program Space SHUTTLE (STS).

S578--This assignment supports NASA Space Program NIMBUS-7.

S580--This assignment shall expire upon completion of Space Project Gapfiller (MARISAT).

S584--This assignment shall expire upon completion of Space Project SAMSO 26-79.

S589--This assignment supports NASA Space Program IMP-8.

S594--This assignment is for Space System GOES.

S595--This assignment shall expire upon completion of Space Project GPS Phase II.

S597--This assignment is in support of Navy Space Surveillance System.

S598--This assignment shall expire upon completion of Space Project SOLAR RADIATION SERIES.

S603--This assignment is in support of Space Ground Link Subsystem (SGLS) operations.

S604--This assignment is in support of foreign space operations.

S606--This assignment shall expire upon completion of Space Project NATO IIIA.

S614--This assignment shall expire upon completion of Space Project SAMSO 28-77.

S616--This assignment shall expire upon completion of Space Project DSCS Phase II.

S617--This assignment supports NASA Space Program SAR.

S619--This assignment is in support of the INTELSAT V.

S621--This Application is in support of a DOD Space Project.

S622--This assignment supports NASA Space Program DE-A.

S625--This assignment shall expire upon completion of Space Project IUS.

S626--This assignment shall expire upon completion of Space Project LEASAT (FLTSATCOM-A).

S627--This assignment is in support of the Small Business Satellite.

S629--This assignment is in support of Space System TIROS-N.

S632--This assignment supports NASA Deep Space Program VOYAGER.

S633--This assignment supports NASA Deep Space Program GALILEO.

S634--This note is to be used in conjunction with S604, to reflect assignments used by NASA in a cooperative effort with the European Space Agency (ESA) in support of Space Program ULYSSES (formerly known as the International Solar Polar Mission (ISPM)).

S641--This assignment supports NASA Space Program SPACE TELESCOPE (ST).

S642--This assignment supports NASA Space Program Solar Mesosphere Explorer.

S643--This assignment shall expire upon completion of Space Project DSCS Phase III.

S646--This assignment supports NASA Space Program AMPTE.

S647--This assignment supports NASA Space Program ERBS.

S648--This assignment shall expire upon completion of Space Project GEOSAT-A.

S651--This assignment supports NASA Space Program Space Station.

S655--This assignment supports NASA Deep Space 30 GHz Systems.

S661--This assignment is in support of the Strategic Defense Initiative (SDI) Program.

S662--This assignment is for Common Carrier service provided in a non-Government Domestic Satellite System. The specific frequency and satellite is dependent upon the Common Carrier selected to provide the service.

S664--This assignment shall expire upon termination of the satellite system STATSIONAR (USSR).

S665--This assignment is in the INMARSAT space system. If this assignment is for a transportable land-based or aeronautical INMARSAT terminal, it is subject to coordination with the Common Carrier Bureau of the Federal Communications Commission. This coordination will be conducted by the Communications Satellite Corporation in accordance with Annex E, paragraph 3.1.3 of the NTIA Manual.

S666--This assignment is in support of Space Project NATO IV.

S668--This assignment supports NASA Space Program Tethered Satellite System (TSS).

S669--This assignment supports the Volunteers in

Technical Assistance (VITA) PACSAT space system.

S670--Non-Government testing of future INTELSAT satellites.

S671--This assignment supports the Orbital Sciences Corporation DATASAT Space System.

S673--This assignment supports NASA Space Program Cosmic Background Explorer (COBE) Satellite.

S674--This assignment supports NASA Space Program Atmospheric Research Satellite (UARS).

S675--This assignment supports NASA Space Program Gamma Ray Observatory (GRO).

S676--This assignment supports NASA Space Program Advanced Communications Technology Satellite (ACTS).

S677--This assignment supports NASA Space Program Astronomical Shuttle Pallet Satellite (ASTRO-SPAS).

S678--This frequency supports AF/DOE Space Project ALEXIS.

S679--This assignment supports NASA Space Program Wideband Data Collection System.

S680--This frequency supports Commerce project Pan-Pacific Educational and Cultural Experiments by Satellite (PEACESAT).

S681--This assignment supports NASA Extra-Vehicular Activity UHF Communications Subsystem.

S682--This assignment supports NASA Space Program Aeroassist Flight Experiment (AFE).

S683--This assignment supports NASA TOPEX/Poseidon (TOPO) Mission.

S684--This assignment supports NASA Space Program Solar Anomalous and Magnetospheric Particle Explorer (SAMPEX) in the Small Explorer (SMEX) Project.

S685--This assignment supports NASA Space Program Wake Shield Facility (WSF).

S686--This assignment supports NASA Explorer Platform (EP).

S687--This assignment supports NASA Tether Dynamics Explorer/Tethered Atmospheric Probe (TDE/TAP).

S688--This assignment supports the Soviet POTOK I space system.

S690--This assignment supports the LIGHT-SAT Satellite System.

S691--This assignment supports NASA Transfer Orbit Stage (TOS).

S692--This assignment supports Motorola Satellite Communications, Inc.'s IRIDIUM space system.

S693--This assignment supports the NASA Telemedicine 18-Month Demonstration Project.

S694--This assignment supports NASA Commercial Experiment Transporter (COMET).

S695--This assignment supports Orbiter-ACTS Flight Experiment (O-AFE).

S696--This assignment supports NASA Tropical Rainfall Measurement Mission (TRMM).

S697--This assignment supports the Deployable Seismic Verification System (DSVS).

S698--This assignment will expire upon completion of the Space Project NATO IV.

S699--This assignment supports NASA RTEAM Hitchhiker.

S700--This assignment supports NASA SeaStar Ocean Color Project.

S701--This assignment supports NASA Energy Transient Experiment (HETE).

S702--This assignment supports experiments with the satellite system S/80-T (French).

S703--This assignment supports the NASA Summer Undergraduate Research Fellowship Satellites I and II (SURFSAT).

S704--This assignment supports the Interferometrics, Inc. Space System.

S705--This assignment supports the NASA NEXT SCATTEROMETER (NEXSCAT).

S706--This assignment supports the NASA Space Radar Laboratory 1 (SRL-1).

S707--This assignment supports the Germany SAFIR system.

S708--This assignment supports the NASA Total Ozone Monitoring Spectrometer Earth Probe (TOMS-EP).

S709--This assignment supports the NASA MicroLab-1 mission.

S710--This assignment supports the MILSTAR Communications Satellite System.

S711--This assignment supports the NASA "Shuttle/MIR" Communications System.

S712--This assignment supports DOE proliferation detection and environmental monitoring satellite program.

S713--This assignment supports the NASA Fast Auroral Snapshot Explorer (FAST).

S714--This assignment supports the NASA

Submillimeter Wave Astronomy Satellite (SWAS).

S715--This assignment supports the NASA International Solar Terrestrial Program (ISTP) Interplanetary Physics Laboratory WIND.

S716--This assignment shall expire upon completion of the NASA Global Learning and
Observations to Benefit the Environment (GLOBE) Program Communications System using the Tracking and Data Relay Satellite System (TDRSS).

S717--This assignment supports the NASA Earth Observing System AM (EOS).

S718--This assignment supports the NASA Mobile SatCom Demonstration using the Tracking and Data Relay Satellite System (MOST).

S719--This assignment supports the NASA Advanced Composition Explorer (ACE).

S720--This assignment supports the NASA Near Earth Asteroid Rendezvous (NEAR).

S721--This assignment supports the NASA MARS PATHFINDER Satellite System.

S722--This assignment supports the NASA CASSINI Satellite System.

S723--This assignment supports the NASA Advanced X-Ray Astrophysics Facility-Imaging (AXAF-I) Satellite System.

S724--This assignment is for commercial service using the Russian LOUTCH WSDRN Satellite.

S725--This assignment is in support of the Small Spacecraft Technology Initiative (SSTI) CLARK Satellite.

S726--This assignment supports the NASA X-Ray Timing Explorer (XTE).

S727--This assignment is in support of the HEALTHSAT-II Satellite.

S728--This assignment supports the NASA Lewis Satellite System.

S729--This assignment supports National Ocean Service experiments with TDRS 174W.

S730--This assignment supports the NOAA K, L, and M Satellite System.

S731--This assignment supports the NASA Polar Plasma Laboratory Satellite System - POLAR.

S732--This assignment supports the CTA Commercial Systems, Inc. space system.

S733--This assignment supports the EARTHWATCH Remote Sensing System.

S734---This assignment supports the E-SAT, Inc. space system.

S735--This assignment supports the NASA Student Nitric Oxide Explorer (SNOE) Satellite System.

S736--This assignment supports the NASA Tomographic Experiment using Radioactive Recombinative Ionospheric EUV and Radio Sources - TERRIERS.

S737--This assignment supports the Hughes Communications Galaxy, Inc. GALAXY VIII (I) Satellite.

S738--This assignment supports the NASA Mars Global Surveyor.

S739--This assignment supports the NASA Transition Region an Coronal Explorer satellite system (TRACE).

S740--This assignment supports the NASA Wide-Field Infrared Explorer satellite (WIRE).

S741--This assignment supports the NASA Lunar Prospector Satellite System.

S742--This assignment is for use by a U.S. Government earth station supporting a foreign space operation. The responsible Federal agency has waived the NTIA spectrum certification process for the earth station operation. Therefore, although this operation may be in accordance with the National Table of Frequency Allocations, it must be conducted on an unprotected, non-interference basis to those U. S. Operations that are in conformity with the National Table of Frequency Allocations.

S743--This assignment shall expire upon termination of the satellite system EXPRESS (Russia).

S744--This assignment shall expire upon completion of Space Project MIGHTYSAT.

S745--This assignment is in support of a Government Space Program.

S746---This assignment supports the NASA Earth Observing System AM (EOS-AM).

S747--This assignment is for a receive only earth station for the IRS-1B Satellite.

S748---This assignment is for a receive only earth station for the IRS-1C Satellite.

S749---This assignment is for a receive only earth station for the ERS-2 Satellite.

S750---This assignment is in support of the Space Test Experiment Platform (STEP 0) program.

S751---This assignment supports the Orbital Sciences Corp. BATSAT MicroStar Spacecraft.

S752---This assignment supports the NASA Gravity Probe-B satellite system.

S753---This assignment supports the NASA International Space Station (ISS) VHF Voice Communications Link (IVVCL).

S754--This assignment is for a receive only earth station in the band 8025-8400 MHz for the Spot 1 and Spot 2 Satellite.

S755---This assignment supports the NASA SIMPLESAT Satellite System.

S756---This assignment supports the NASA Technology Experiment Augmenting Spartan (TEXAS).

S757---This assignment supports the NASA SPRINT Communications System (SCS).

S758--This assignment is in support of the PANAMSAT PAS-6 and PAS-7 Satellites.

Endnotes for Annex A

1. Applies to SSB transmission.

2. Applies to two or more independent sideband channels.

(Last page in Annex A)